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**Part Number:** **0533750610**  
**Status:** **Active**  
**Overview:** Mini-Lock™ Wire-to-Board Connector System  
**Description:** 2.50mm Pitch Mini-Lock™ Wire-to-Board Header, Vertical, Friction and Positive Lock, 6 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-51163-002-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-51103-005-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

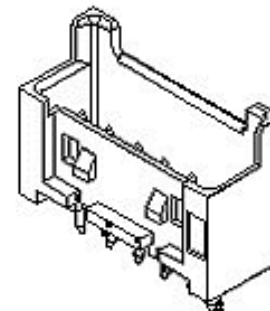
Product Family PCB Headers  
 Series [53375](#)  
 Application Signal, Wire-to-Board  
 MolexKits Yes  
 Overview [Mini-Lock™ Wire-to-Board Connector System](#)  
 Product Name Mini-Lock™  
 UPC 800753563650

**Physical**

Breakaway No  
 Circuits (Loaded) 6  
 Circuits (maximum) 6  
 Color - Resin Natural  
 Durability (mating cycles max) 30  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Net Weight 741.800/mg  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 3.40mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Bag  
 Pitch - Mating Interface 2.50mm  
 Polarized to PCB Yes  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 3.0A



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per  
 -ED/01/2017 (12  
 January 2017)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS Green Image  
 ELV Not Relevant  
 RoHS Phthalates Not Contained

**Search Parts in this Series**

[53375 Series](#)

**Mates With**

Mini-Lock™ Wire-to-Board and Wire-to-Wire  
 Crimp Terminal 51103 , 51102 , 51163

Voltage - Maximum

250V

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-51103-005-001, PS-51163-002-001

Sales Drawing

SD-53375-001

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